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# [1 Home networking and HCI: what hath god wrought?](#)



Erika Shehan, W. Keith Edwards

April CHI '07: Proceedings of the SIGCHI conference on Human factors in  
2007 computing systems

**Publisher:** ACM

Full text available: pdf(403.91

KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 365, Citation Count: 0

For much of the industrialized world, network connectivity in the home is commonplace. Despite the large number of networked homes, even the most technically savvy people can have difficulties with home network installation and maintenance. We contend ...

**Key words:** computer networking, home computing, home networking, infrastructure, troubleshooting, ubiquitous computing

## 2 [The UCON<sub>ABC</sub> usage control model](#)



Jaehong Park, Ravi Sandhu

February ACM Transactions on Information and System Security (TISSEC),  
2004 Volume 7 Issue 1

**Publisher:** ACM

Full text available: [pdf\(518.61 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 34, Downloads (12 Months): 332, Citation Count: 16

In this paper, we introduce the family of UCON<sub>ABC</sub> models for usage control (UCON), which integrate *Authorizations (A)*, *oBligations (B)*, and *Conditions (C)*. We call these core models because they address the essence of UCON, leaving ...

**Keyw ords:** access control, digital rights management, privacy, trust, usage control

## 3 [Broadband internet network management software platform and systems in KT](#)

Jae-Hyoung Yoo

November International Journal of Network Management, Volume 16 Issue 6  
2006

**Publisher:** John Wiley & Sons, Inc.

Full text available: [pdf\(999.62 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 196, Citation Count: 0

The high penetration rate of Internet access services in Korea has created an operational environment that is different from those of other countries, and thus the level of customer needs takes on different aspects. To meet the operational environment, ...

## 4 [Resource discovery in activity-based sensor networks](#)

Doina Bucur, Jakob E. Bardram

March 2007 Mobile Networks and Applications, Volume 12 Issue 2-3

**Publisher:** Kluwer Academic Publishers

Full text available: [pdf\(374.64 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 95, Citation Count: 0

This paper proposes a service discovery protocol for sensor networks that is specifically tailored for human-centered pervasive environments and scales well to large sensor networks, such as those deployed for medical care in major incidents and hospitals. ...


**Keyw ords:** active-based sensor networks, body sensor networks, service discovery protocol

## 5 Xunet 2: lessons from an early wide-area ATM testbed

Charles R. Kalmanek, Srinivasan Keshav, William T. Marshall, Samuel P. Morgan, Robert C. Restrick, III

February IEEE/ ACM Transactions on Networking (TON), Volume 5 Issue 1 1997

**Publisher:** IEEE Press

Full text available:  [pdf\(231.69 KB\)](#)

**Additional Information:** [full citation](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 25, Citation Count: 0

**Keywords:** asynchronous transfer mode, available bit rate, constant bit rate, variable bit rate


## 6 Characterizing mobility and network usage in a corporate wireless local-area network



Magdalena Balazinska, Paul Castro

May MobiSys '03: Proceedings of the 1st international conference on Mobile 2003 systems, applications and services

**Publisher:** ACM

Full text available:  [pdf\(308.54 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 120, Citation Count: 37

Wireless local-area networks are becoming increasingly popular. They are commonplace on university campuses and inside corporations, and they have started to appear in public areas [17]. It is thus becoming increasingly important to understand user mobility ...

## 7 Wireless broadband services and network management system in KT

Dong-Hyun Lee, Hwan-Joong Lee, Young-Woo Lee, Dong-Houn Shin

November International Journal of Network Management, Volume 16 Issue 6 2006

**Publisher:** John Wiley & Sons, Inc.

Full text available:  [pdf\(778.41 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 427, Citation Count: 0

As mobile devices such as laptops and PDAs are becoming widely available, customers' needs for portable Internet services are increasing. KT has been preparing to launch a WiBro (Mobile WiMax) service that is a high-speed, low-cost, wireless Internet ...

## 8 [Enhancing the security of corporate Wi-Fi networks using DAIR](#)



Paramvir Bahl, Ranveer Chandra, Jitendra Padhye, Lenin Ravindranath, Manpreet Singh, Alec Wolman, Brian Zill

June 2006 MobiSys '06: Proceedings of the 4th international conference on Mobile systems, applications and services

**Publisher:** ACM

Full text available: [pdf\(302.26 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 30, Downloads (12 Months): 433, Citation Count: 0

We present a framework for monitoring enterprise wireless networks using desktop infrastructure. The framework is called DAIR, which is short for *Dense Array of Inexpensive Radios*. We demonstrate that the DAIR framework is useful for detecting ...

**Keywords:** 802.11, denial-of-service, rogue AP, security, wireless networks

## 9 [Defending wireless infrastructure against the challenge of DDoS attacks](#)

Xianjun Geng, Yun Huang, Andrew B. Whinston

June 2002 Mobile Networks and Applications, Volume 7 Issue 3

**Publisher:** Kluwer Academic Publishers

Full text available: [pdf\(313.57 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 26, Downloads (12 Months): 187, Citation Count: 3

This paper addresses possible Distributed Denial-of-Service (DDoS) attacks toward the wireless Internet including the Wireless Extended Internet, the Wireless Portal Network, and the Wireless Ad Hoc network. We propose a conceptual model for defending ...

**Keywords:** DDoS attack, PBN, wireless ad hoc network, wireless extended internet, wireless infrastructure, wireless portal network

## 10 [Minimizing energy for wireless web access with bounded slowdown](#)

Ronny Krashinsky, Hari Balakrishnan

January 2005 Wireless Networks, Volume 11 Issue 1-2

**Publisher:** Kluwer Academic Publishers

Full text available: [pdf\(558.08 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 46, Citation Count: 1

On many battery-powered mobile computing devices, the wireless network is a significant contributor to the total energy consumption. In this paper, we investigate the interaction between energy-saving protocols and TCP performance for Web-like transfers. ...


**Keywords:** HTTP, IEEE 802.11, TCP, Web, bounded slowdown, energy saving, power saving, protocols, wireless

## 11 A file discovery control scheme for P2P file sharing applications in wireless mobile environments

Chung-Ming Huang, Tz-Heng Hsu, Ming-Fa Hsu

January ACSC '05: Proceedings of the Twenty-eighth Australasian 2005 conference on Computer Science - Volume 38, Volume 38

**Publisher:** Australian Computer Society, Inc.

Full text available:  [pdf\(254.26](#)

[KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 181, Citation Count: 0

The mobility characteristic brings new challenges for research of P2P computing over the wireless mobile networking environment. Peers' movements in wireless mobile network change the routing path which affects the file retrieval performance. Thus, how ...

**Keywords:** file sharing, peer-to-peer, resource discovery and retrieval, wireless and mobile networks


## 12 Minimizing energy for wireless web access with bounded slowdown



Ronny Krashinsky, Hari Balakrishnan

September MobiCom '02: Proceedings of the 8th annual international conference on 2002 Mobile computing and networking

**Publisher:** ACM

Full text available:  [pdf\(437.53](#)

[KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),

[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 78, Citation Count: 28

On many battery-powered mobile computing devices, the wireless network is a significant contributor to the total energy consumption. In this paper, we investigate the interaction between energy-saving protocols and TCP performance for Web like transfers. ...

**Keywords:** HTTP, IEEE 802.11, TCP, Web, bounded slowdown, energy saving, power saving, protocols, wireless

**13** [A framework for the transmission of streaming media to mobile devices](#)

Kevin Curran, Gerard Parr

January International Journal of Network Management, Volume 12 Issue 1  
2002

**Publisher:** John Wiley & Sons, Inc.

Full text available:  [pdf\(302.57 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 96, Citation Count: 0

One interesting problem is the delay imposed upon mobile receivers when switching between wireless cells. We provide a solution to this in the form of an extension of Mobile IP's handoff algorithm. Our solution involves the exploitation of mobility prediction ...

**14** [Strategic directions in networks and telecommunications](#)



David Clark, Joseph Pasquale

December 1996 ACM Computing Surveys (CSUR), Volume 28 Issue 4

**Publisher:** ACM

Full text available:  [pdf\(204.75 KB\)](#)

**Additional Information:** [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 169, Citation Count: 4


**15** [Design and implementation of a single system image operating system for ad hoc networks](#)



Hongzhou Liu, Tom Roeder, Kevin Walsh, Rimon Barr, Emin Gün Sirer

June MobiSys '05: Proceedings of the 3rd international conference on Mobile  
2005 systems, applications, and services

**Publisher:** ACM

Full text available:  [pdf\(261.28 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 188, Citation Count: 6

In this paper, we describe the design and implementation of a distributed operating system for ad hoc networks. Our system simplifies the programming of ad hoc networks and extends total system lifetime by making the entire network appear as a single ...

## 16 Global growth of open access networks: from warchalking and connection



### sharing to sustainable business

Roberto Battiti, Renato Lo Cigno, Fredrik Orava, Bjorn Pehrson

September 2003 WMAH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

**Publisher:** ACM

Full text available: [pdf\(226.85 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),

[index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 96, Citation Count: 1

This paper discusses the evolution of W-LAN starting from the mere extension of LAN services indoors, through the widespread diffusion of outdoors coverage with free and often un-authorized access, to the business models supporting their evolution to ...

**Keywords:** 802.11, WiFi, mobility, open access networks

## 17 Wireless LANs: from WarChalking to open access networks

Roberto Battiti, Renato Lo Cigno, Mikalai Sabel, Fredrik Orava, Björn Pehrson

June 2005 Mobile Networks and Applications, Volume 10 Issue 3

**Publisher:** Kluwer Academic Publishers

Full text available: [pdf\(2.45 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index](#)

[terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 154, Citation Count: 1

This work discusses the evolution of W-LANs from their current status of wireless termination of LAN services to a possible global infrastructure where the access networks become open to multiple operators and a vehicle of a win-win scenario, where both ...

**Keywords:** business models, open access networks, resource sharing, telecommunications architecture, user-operator interaction, wireless LANs

## 18 Chatting with teenagers: Considering the place of chat technologies in teen life



Rebecca E. Grinter, Leysia Palen, Margery Eldridge

December 2006 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 13 Issue 4

**Publisher:** ACM

Full text available: [pdf\(151.76 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 49, Downloads (12 Months): 1046, Citation Count: 0

In the last few years, teenagers have been on the forefront of adopting short message service (SMS), a mobile phone-based text messaging system, and instant messaging (IM), a computer-based text chat system. However, while teenage adoption of SMS had ...

**Keywords:** IMing, Text messaging, instant messaging, texting

## 19 Implementing a network improvement action plan



Kim Todd, Jon Rickman, Tabatha Verbick

October SIGUCCS '04: Proceedings of the 32nd annual ACM SIGUCCS conference 2004 on User services

**Publisher:** ACM

Full text available: [pdf\(182.43 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 51, Citation Count: 1

Firewall failures and the recent onslaught of computer viruses and worms, such as Klez, loveletter, SoBig, and BadBoy, increased network traffic and ever-growing network abuse, propelled security awareness at Northwest Missouri State University to a ...

**Keywords:** communication, customer service, network management, network stability

## 20 M<sup>4</sup>: multimedia mobility manager: a seamless mobility management architecture supporting multimedia applications



Karl Andersson, Daniel Granlund, Christer Åhlund

December MUM '07: Proceedings of the 6th international conference on Mobile and ubiquitous multimedia 2007

**Publisher:** ACM

Full text available: [pdf\(869.69 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 26, Downloads (12 Months): 76, Citation Count: 0

In this paper, a proof-of-concept and a software architecture,  $M^4$  (MultiMedia Mobility Manager), is presented. In short,  $M^4$  is offering seamless mobility management to multimedia applications using a ...

**Keywords:** heterogeneous networking environments, seamless mobility



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